

Exhibit 1

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Bryan Pfaffenberger

THE NAME YOU TRUST

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Dedication

For Suzanne, always

Webster's New World™ Dictionary of Computer Terms,
8th Edition

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A file server utility for AppleTalk networks. It transforms any Macintosh on the network into a file server; the server's hard disk icon appears on the user's desktop.

A small- to medium-sized computer program that performs a specific function, such as emulating a calculator. 2. In a program embedded in a Web document that, when loaded, is executed by the browser. Both of the leading Web browsers, Netscape Communicator and Microsoft Internet Explorer, can execute Java applets. See *Java applet* and *Java*.

k A local area network (LAN) standard developed by Apple. AppleTalk can link as many as 32 Macintosh computers, IBM PC-compatible computers, and peripherals such as printers. Every Macintosh computer has an AppleTalk port; the only hardware required for an AppleTalk network is a set of LocalTalk connectors and ordinary telephone cables (called twisted-pair cable). AppleTalk networks are simple and inexpensive but quite slow; they are capable of transmitting only up to 230 Kbps. EtherTalk, in contrast, is capable of speeds of up to 10 million bps. See *EtherTalk*.

task A program that enables you to do something with the computer, such as writing or accounting. It is opposed to utilities, programs that help you maintain the computer.

Internet Configuration Access Protocol (ICAP) An Internet standard that transfers crucial user configuration settings (including address books, bookmarks, and options) to an Internet-accessible file. Because these settings are stored on the network instead of the user's computer, they are available no matter which computer is being used. ICAP can greatly benefit anyone who accesses the Internet from multiple computers.

application control menu See *control menu*.

application development system A coordinated set of development tools, typically including a full-screen programming language with a compiler, linker, and

application shortcut key 33

and an extensive library of ready-to-use program modules. The use of an application development system lets experienced users develop a standalone application more easily than writing a program using a language such as C++ or COBOL.

application heap In a Macintosh, the base memory, the area of memory set aside for user programs.

application icon In Microsoft Windows 95/98, an onscreen graphic representation of a minimized program. The icon appears on the taskbar to remind you that the application is still present in memory. Double-click the application icon to switch to that program.

application layer In the Open System Interconnection (OSI) model of computer network architecture, the first or lowest of seven layers, in which the data is presented to the user. At this layer, protocols are needed to ensure that products from different manufacturers can work together. For example, an e-mail program should use the same protocols for sending and receiving e-mail. When the data is ready to be sent over the network, it is passed down the protocol stack to the next layer, the presentation layer.

application-level encryption In a computer network, the use of encryption by individual applications rather than by the operating system or network level. Web browsers typically use application-level encryption at this level.

application program See *application*.

application programming interface (API) 1. A set of standards that defines how programs can call specific operating system services. 2. In Web servers, the standards or protocols that allow a hyperlink to originate a call to a program on the server. See *CGI*, *ISAPI*, and *Perl*.

application window In Microsoft Windows, a shortcut to an application. Clicking an application to the foreground. Application windows are also available in applications that use the Windows Desktop to launch and manage documents.

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388 operand

operand The argument that is appended to an operator, such as a spreadsheet program's built-in function. For example, in the Excel expression AVERAGE(D10:D24), the cell range D10 to D24 is the operand of the AVERAGE function.

operating environment The total context in which applications function, including the operating system (OS) and the shell.

operating system (OS) A master control program that manages the computer's internal functions, such as accepting keyboard input, and that provides a means to control the computer's operations and file system.

operating voltage The electrical voltage at which a microprocessor operates. Most microprocessors have operating voltages of 5 volts—a mostly arbitrary specification decided upon when the transistor was invented—but some chips run at 3.3 volts to save electricity (a real concern in portable computers) and to reduce heat output.

operator In programming, a code name or symbol that is used to describe a command or function, such as multiplying or dividing.

optical character recognition See OCR.

optical disk A large-capacity data storage medium used in computers on which information is stored at extremely high densities in the form of tiny pits. The presence or absence of pits is read by a tightly focused laser beam. CD-ROMs and CD-Rs are optical disk drives offer an increasingly economical medium for storing data and programs. Write-once, read-many (WORM) optical disk drives enable organizations to create their own huge, in-house data archives. Erasable optical disk drives offer more storage than hard disks, and the CDs are removable. However, they are still more expensive and much slower than hard disks. See *interactive storage*.

optical fiber See *fiber optics*.

optical mouse A mouse that does not require a cord, like a mechanical mouse does, but that must be used on a reflective mouse pad. An optical mouse shines a beam of light onto the mouse pad, which conveys the mouse's movements to the computer.

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